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CENTRAL FAX CENTER

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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the subject application:

1. (Presently amended) A method of assigning selected ones of a plurality of elevator cars to answer hall calls outstanding in a multifloor building, ~~characterized by~~ comprising the steps of:

(a) for each car available to serve a particular hall call outstanding in a building, [providing (52) a perceived service time having components (45, 46) based on the estimated time for a selected car to answer said hall call and having components (47, 51) based on the estimated time for said selected car to reach an estimated destination corresponding to said hall call]

(a) determining (45) an estimate of the wait time that will elapse after being registered before each said call will be answered;

(b) providing (46) a perceived wait time as a first constant times a first non-linear function of each said wait time;

(c) determining (47) an estimate of the travel time that will elapse after said each call is answered before reaching an estimated destination of a passenger registering said each call;

(d) providing (51) a perceived travel time as a second constant times a second non-linear function of each said travel time;

(e) providing (52) said a perceived service time as a summation of said perceived wait time and said perceived travel time for each said wait time and corresponding travel time; and,

(b~~f~~) allocating (59) said available cars to respond to said outstanding hall calls based on said perceived service times.

2. (Canceled)

3. (Presently amended) A method according to claim 2 1 wherein: said second constant and said second non-linear function are selected along with said first constant and said first non-linear function so that a hall call having a relatively long wait time for a particular car will have a relatively short travel time to reach an estimated ~~duration~~ destination in said particular car.

4. (Presently Amended) A method according to claim 1 wherein said step (b~~f~~) comprises: providing the square (53) of each said ~~estimated~~ perceived service time; for all possible sets of assignments of all said up hall calls and down hall calls outstanding in said building, providing (59) a summation of said squares; and assigning cars to calls (60) in accordance with the one of said sets having the lowest of said summations (61).